

CLAIMS: I claim:

1. A pivotal nozzle body, comprising:

- a) a upper housing comprising a first tool end and a first pivot end;
- b) a lower housing comprising a second tool end and a second pivot end;
- c) a pivot means connecting said first pivot end to said second pivot end for pivotally connecting said upper housing to said lower housing;
- d) wherein said upper housing, said pivot means, and said lower housing define a continuous suction passageway therethrough between said first tool end and said second tool end;
- e) wherein said first tool end comprises a first hose wand port for removable attachment of a vacuum hose wand and a first mounting means for connecting a first vacuum cleaner tool to said first tool end, wherein the vacuum hose wand and the first vacuum cleaner tool may be connected to said first tool end at the same time;
- f) wherein said second tool end comprises a second hose wand port for removable attachment of the vacuum hose wand and a second mounting means for connecting a second vacuum cleaner tool to said second tool end, wherein the vacuum hose wand and the second vacuum cleaner tool may be connected to said second tool end at the same time.

2. The pivotal nozzle body in claim 1, further including;

one or more slip ring bearings between said first and second pivot end.

3. The pivotal nozzle body in claim 1, wherein;

said first tool end is adapted for attachment of a pair of pivotal cleaning arms.

4. The pivotal nozzle body in claim 3, wherein;

said pair of pivotal cleaning arms movable to an opposed in-line position defined longitudinally along a y-axis in a right-handed Cartesian coordinate system and flush against an x-y plane, wherein said pivot means defines a pivot axis that is oriented at an angle less than forty-five degrees from the x-axis.

5. The pivotal nozzle body in claim 4, wherein;
said a pivot axis is less than thirty degrees from the x-axis.

6. The pivotal nozzle body in claim 4, wherein;
said a pivot axis is less than twenty degrees from the x-axis.

7. The pivotal nozzle body in claim 1, wherein;
said first and/or second vacuum cleaner tools are removably mounted to said first and/or second tool ends, respectfully.

8. The pivotal nozzle body in claim 1, wherein;
said first and/or second vacuum cleaner tools are permanently attached to said first and/or second tool ends, respectfully.

9. The pivotal nozzle body in claim 1, wherein;
said first tool end is adapted for mounting a dust brush.

10. The pivotal nozzle body in claim 1, wherein;
said upper housing and said lower housings are designed with appropriate angles between their respective tool end and pivot end, wherein the angle between the longitudinal axis of said first and second hose wand ports can be pivoted to both acute and obtuse angles.

11. The pivotal nozzle body in claim 10, wherein;
said first and/or second vacuum cleaner tools are removably mounted to said first and/or second tool ends, respectfully.

12. The pivotal nozzle body in claim 10, wherein;
said first and/or second vacuum cleaner tools are permanently attached to said first and/or second tool ends, respectfully.